

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: Novel Telomerase the specification of which is attached hereto or X was filed on May 9, 1997 as Application No. 08/854,050 and was amended on (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign applications(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

| Country | Application No. | Date of Filing | Priority Claimed Under 35 USC 119 |
|---------|-----------------|----------------|--------------------------------------|
| | | | Yes <u> </u> No <u> </u> |
| | | | Yes <u> </u> No <u> </u> |

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

| Application No. | Filing Date |
|-----------------|-------------|
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| | |

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Application No. | Date of Filing | Status |
|-----------------|-----------------|---|
| 08/724,643 | October 1, 1996 | <u> </u> Patented <u>X</u> Pending <u> </u> Abandoned |
| 08/844,419 | April 18, 1997 | <u> </u> Patented <u>X</u> Pending <u> </u> Abandoned |
| 08/846,017 | April 25, 1997 | <u> </u> Patented <u>X</u> Pending <u> </u> Abandoned |
| 08/851,843 | May 6, 1997 | <u> </u> Patented <u>X</u> Pending <u> </u> Abandoned |

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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James M. Heslin, Reg. No. 29,541

Randolph T. Apple, Reg. No. 36,429

Greg P. Einhorn, Reg. No. 38,440

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Name: Randolph T. Apple

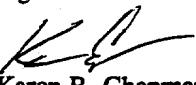
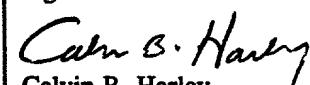
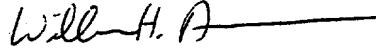
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| | | | | |

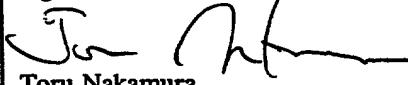
I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| Signature of Inventor 1 | Signature of Inventor 2 | Signature of Inventor 3 |
|--|--|---|
| Thomas R. Cech | Joachim Lingner | Toru Nakamura |
| Date | Date | Date |
| Signature of Inventor 4  Karen B. Chapman | Signature of Inventor 5  Gregg B. Morin | Signature of Inventor 6  Calvin B. Harley |
| Date 10/20/97 | Date 10/20/97 | Date 10/20/97 |
| Signature of Inventor 6  William H. Andrews | | |
| Date 10/23/97 | | |

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| | | |
|-------------------------|--------------------------------------|-------------------------|
| Signature of Inventor 1 | Signature of Inventor 2 | Signature of Inventor 3 |
| Thomas R. Cech | <i>J. Lingner</i> Joachim Lingner | Toru Nakamura |
| Date | Date 10/10/97 | Date |
| Signature of Inventor 4 | Signature of Inventor 5 | Signature of Inventor 6 |
| Karen B. Chapman | Gregg B. Morin | Calvin B. Harley |
| Date | Date | Date |
| Signature of Inventor 6 | | |
| William H. Andrews | | |
| Date | | |

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|--|--|--|
| Signature of Inventor 1  Thomas R. Cech | Signature of Inventor 2 Joachim Lingner | Signature of Inventor 3  Toru Nakamura |
| Date 10-20-97 | Date | Date 10/20/97 |
| Signature of Inventor 4 Karen B. Chapman | Signature of Inventor 5 Gregg B. Morin | Signature of Inventor 6 Calvin B. Harley |
| Date | Date | Date |
| Signature of Inventor 6 William H. Andrews | | |
| Date | | |

Please type a plus sign (+) inside this box → **[+]**

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

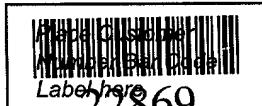
Associate Power of Attorney

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|------------------------|--|
| Application Number | |
| Filing Date | January 18, 2002 |
| First Named Inventor | Thomas R. Cech, et al. |
| Title | Telomerase Reverse Transcriptase Catalytic Subunit |
| Group Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 015389-002990US |

I hereby appoint:

Practitioners at Customer Number

022869



OR

Practitioner(s) named below:

| Name | Registration Number |
|------|---------------------|
| | |
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as associates of the Attorneys of Record to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

I am an Attorney of Record in this application

SIGNATURE on behalf of the Attorneys of Record

| | |
|-----------|-----------------------------------|
| Name | WILLIAM M. SMITH, Reg. No. 30,223 |
| Signature | |
| Date | 12-13-01 |